EXPORT MODELS

100V	230V
CP6	CP6
CP9	CP9
CP7	CP8
SB1	CP10
CP8	SB1
TS1A	TS1A
SA4	SA4

BLK/RED
BLK/GRN
BLK/YEL
WHITE
BLACK
VIOLET
ORANGE

RED CP11
RED/YEL CP12
RED CP13

POWER TRANSFORMER P/N Ø39253
JUMPER CP5 TO TS1B

DOMESTIC MODEL

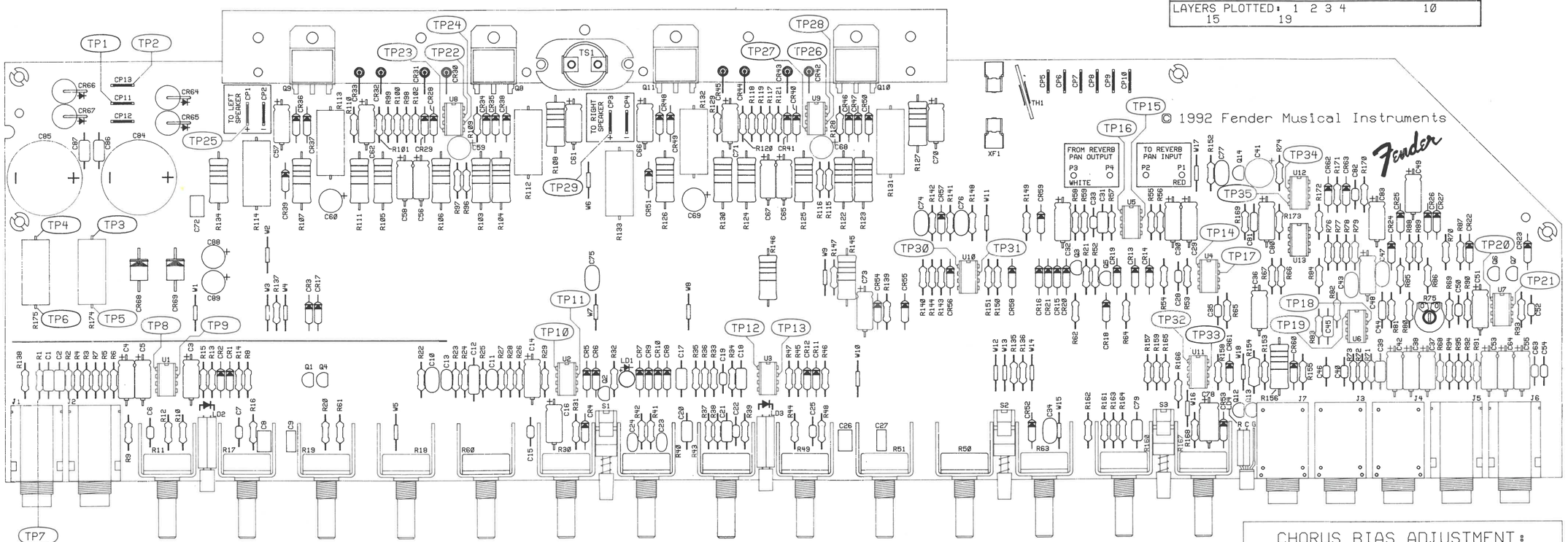
CP6 BLACK
SB1 BLACK

RED CP11
RED/YEL CP12
RED CP13

POWER TRANSFORMER P/N Ø31668
JUMPER CP5 TO TS1B
JUMPER SA4 TO TS1A

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	RELEASED PR#204	8-7-92	BD

FILM/DWG:	SERVICE DIAGRAM
DATABASE:	ULTRASER
DATE:	Ø6-AUG-92
LAYERS PLOTTED:	1 2 3 4 10 15 19



POWER OFF ON
SA
SB
LINE CORD
BLACK (EXPORT- BROWN) SA4
WHITE (EXPORT- BLUE) SB1
GREEN (EXPORT- GRN/YEL) TO CHASSIS GROUND

TS1A 195°F TS1 TS1B

POWER ON/OFF SWITCH
REAR VIEW

CHORUS BIAS ADJUSTMENT:

WITH CHORUS SELECT ON, SET CHORUS RATE AND DEPTH CONTROLS FULLY CLOCKWISE. CONNECT A 1kHz SINEWAVE AT ABOUT 1.5 VOLTS RMS TO THE MONO EFFECTS LOOP RETURN JACK (J4). ADJUST TRIMPOT R75 FOR SYMMETRICAL CLIPPING AT U6 PIN 1 (TP19).

DATABASE FILE: ULTRASER
CHECKED BY: B Desi
DATE: 8-12-92
APPROVED: B Desi
DATE: 8-12-92
TOLERANCES: UNLESS OTHERWISE NOTED
X.X ±Ø.050"
X.XX ±Ø.010"
X.XXX ±Ø.005"
ANGLES ±Ø.500°

PROPRIETARY
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FENDER MUSICAL INSTRUMENTS CO.
1130 COLUMBIA ST.
BREA, CALIFORNIA 92621
ROCK ON. AND ON.. AND ON...

NEXT HIGHER ASSEMBLY: ULTRA CHORUS

Fender MUSICAL INSTRUMENTS
1130 Columbia Street
Brea, Ca. 92621

TITLE: SERVICE DIAGRAM, ULTRA CHORUS AMPLIFIER

SIZE B | DRAWN: B. DESI | ENGR: B. DESI | DRAWING NUMBER Ø39244 | REV. A
SCALE: | CREATED: 28-JUL-92 | PLOTTED: Ø6-AUG-92 | SHEET 1 OF 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	RELEASED PR#204	8-7-92	BD
	B	EC#887	10-12-92	BD

NOTES: UNLESS OTHERWISE SPECIFIED.

1. ALL RESISTORS ¼W, ± 5%.
2. ALL CAPACITORS 35V MINIMUM.
3. ALL DIODES 1N4448.
4. DC VOLTAGES READ TO GROUND WITH A DVM AND NO INPUT SIGNAL, WITH DRIVE AND CHORUS SELECT "ON".
5. AC VOLTAGE READINGS TAKEN WITH A DVM TO GROUND, AND TP32-TP35 WAVEFORMS OBSERVED WITH A SCOPE UNDER THE FOLLOWING CONDITIONS: 1kHz INPUT AT J1, 8Ω RESISTIVE LOADS (2) CONNECTED AT CP1-CP4, NO FOOTSWITCH, MID BOOST "OFF", DRIVE SELECT "ON", CHORUS SELECT "ON", DRIVE REVERB "0", CHORUS RATE "10", CHORUS DEPTH "0", ALL OTHER CONTROLS SET TO 12 O'CLOCK

Last Instances: C89 CP14 CR69 F1 J7 LD4 P4 Q14 R175 S3 TH1 TP35 U13 XF1

OUTPUT TEST:
63 WATTS RMS AT 5% THD
1kHz INTO 8 OHMS
EACH CHANNEL

DATABASE FILE:	ULTRAS
CHECKED BY:	BDesi
DATE:	10-12-92
APPROVED:	BDesi
DATE:	10-12-92
TOLERANCES: (UNLESS OTHERWISE NOTED)	
X.X	±0.050"
X.XX	±0.010"
X.XXX	±0.005"
ANGLES	±0.500°

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BREA, CALIFORNIA 92621
BABA BOOEY

NEXT HIGHER ASSEMBLY: ULTRA CHORUS

FENDER MUSICAL INSTRUMENTS
1130 Columbia Street
Brea, Ca. 92621

TITLE: SCHEMATIC DIAGRAM, ULTRA CHORUS AMPLIFIER

SIZE	DRAWING NUMBER	REV.
D	039242	B

DRAWN: B. DESI
ENGR: B. DESI
CREATED: 02-APR-92
PLOTTED: 12-OCT-92
SCALE:
SHEET 1 OF 1

0039243000